THE TECH

VOL. XXVIII. No. 25 BOSTON, MASS., WEDNESDAY, NOVEMBER 25, 1908 PRICE THREE CENTS

ENFORCEMENT OF PURE FOOD LAWS

A. G. Woodman Speaks Before Chemists on Government Work in this Line

FORTY CASES TRIED

Means Adopted by Manufacturers to Evade the Federal Government

Pure food laws were discussed in an interesting manner at a meeting of the Chemical Society, Monday, by A. G. Woodman, S.B., instructor in sanitary food analysis and special agent to the Boston pure food laboratory. Mr. Woodman spoke first of the origin of the food laws. At first there were only state laws, which were so different that large companies were obliged to vary their products to conform with the regulations of the different states in which they were to sell. In some states the appropriations were inadequate to carry out the analyses and enforce the rulings so that they became practically useless. The first federal law provided for the analysis of all imports and prosecution for adulteration. These were evaded by bringing in articles and adulterants in separate containers properly labelled and mixing them after they had passed the customs house.

Thus it was found necessary to have a federal law which would apply to all food products sold in the country and the result was the act of Congress of June 30, 1906. This allows the use of but two preservatives, and these only in certain cases and in quantities not exceeding one-tenth of one per cent. Any adulterant must be specified on the label, and adulteration is defined as adding anything which lowers the grade of the product or anything which is cheaper. Mr. Woodman explained that the common impression that most adulterants were injurious was entirely erroneous and *this was* true only in one case out of a hundred.

The many ways in which manufacturers evade these laws is surprising. One baking powder company advertises that the bread, pastry, etc., made with its product, will contain no alum, which is quite true as the alum in it will be changed to aluminum hydroxide in the baking. Butter which is made from old butter, purified, deoderized, and made up into pats, must be marked "renovated," so the manufacturers advertise "the only butter which is guaranteed pure by the government a purified butter at a reasonable price; see the name 'renovated.'" Azue spring water advertises "First in the government list of spring waters," omitting to state that it is an alphabetical list.

Mr. Woodman mentioned some of the cases the government has taken up. Cream of Wheat was obliged to change the statement on the package that it is "almost pure gluten," since it contains but 14 per cent. Holland Rusks have on the package in large type, "Made in Holland" and have been obliged to add, although in diminutive letters, "Michigan." S. S. Pierce was obliged to label properly their Swiss honey, which contained 75 per cent. cane sugar and 25 per cent. glucose.

The government has received much criticism for the small results it seems to have accomplished, by those who do not realize the immense amount of work involved in getting the laboratories started. Forty cases have already been tried, all of which have resulted in a victory for the government, and 100 more are being tried. Twenty laboratories are being established all over the United States. There is a good chance for chemists, if they do their work properly, as the government recognizes faithful work.

The date for the next meeting of the society has not yet been announced, but a good speaker is promised.

RATIFIES ELECTION OF NEW PRESIDENT

Corporation at Meeting Approves Selection of Maclaurin

NOYES IS OPTIMISTIC

Says Technology has a Brilliant Future and Maclaurin can Best Develop it

At a special meeting of the Corporation, held Monday afternoon, the appointment of Dr. Richard Cockburn Maclaurin, of Columbia, to the presidency of the Institute was unanimously confirmed.

After the meeting, when asked for a further statement in regard to the new appointment, Professor Noyes said: "I haven't much to add to what has been said already. I more than ever convinced that the Institute is extremely fortunate in securing the services of Professor Maclaurin. I was especially pleased to see, from the interview published in the Sunday Herald ten days ago, that he is heartily in sympathy with our form of education and with the emphasis we lay on general studies, and that he is desirous of promoting all the more important developments which faculty, alumni, and undergraduates believe essential to the full attainment of the aims of the Institute; such as removal to a new site not too remote from the city where the Institute can be rebuilt upon an ampler scale with every modern facility, better provision for our student life through some form of dormitory, and continuance and extension of the existing system of athletics while avoiding the extremes to which frequent intercollegiate contests lead. I was also glad to see that he expresses full confidence that the Institute will obtain the necessary financial support from the community, and trust that he will be able to do much to impress the conservative members of our Corporation with this feeling. I believe such confidence is fully warranted, and that, if a bold policy be pursued, the needed support will certainly be secured.

"Though it is perhaps of little general interest, I would like to take this occasion to say a few words as to my retirement from the presidency; for the statements that have been made in regard to my desire to be relieved from it have, I fear, given the erroneous impressions that I underappreciate the privileges and opportunities which the position affords and that I have found its duties burdensome or uncongenial. On the contrary, I consider that the presidency of the Institute is one of the most important—at this time perhaps the most important college presidency in the country; and that the presidency of any educational institution that has before it large possibilities of development is one of the greatest and most attractive opportunities for service which our American life offers. Since to this belief is added a strong sentiment of attachment to the Institute produced by twenty-five years' connection with it and by a hearty belief in its methods, I have no hesitation in saying that I would rather be President of the Institute than to hold any other position in the country, provided I felt myself well fitted to fulfil the duties of the place. I have, however, clearly recognized that this would not be for the true interests of the Institute; for it needs at its head a man with a larger working capacity, with a greater aptitude for the public and social sides of the work, and with certain other important qualities more highly developed. I shall therefore retire from the office with much personal regret, but with the fullest conviction that this step is best for the Institute and for myself. In doing so, I most cordially congratulate Professor Maclaurin on the splendid opportunities which the position opens to him."

COMPETITION FOR TECH SHOW POSTER

Artists Meet This Afternoon at Four in Show Office

TEN DOLLAR PRIZE

Few Men Out for the Advertising Management and More Wanted

A prize of ten dollars has been offered this year, as usual, for the best poster for the new Tech Show play, "That Pill Grim." The poster is to contain the words "Tech Show," and the title of the play. It is to be 11x24 inches, but the drawing must be 22x48 inches. Two colors and black are to be used and the poster will be printed on white cardboard.

This is the eleventh annual show and of the posters for the ten shows already held, three were drawn by students and the other seven by professionals. The three student posters were drawn in the last four years and are "The Chemical Maid," and the last two, "William, Willie and Bill," and "Over the Garden Wall." As everything else about the Show is done by students,

Last Year's Poster

the book, music, lyrics, acting, and management, it would be too bad if it would be necessary to resort to professional work for the poster.

There is absolutely no need to go outside the Institute for talent in this line, as evidenced by Technique and architectural work and it is hoped that everyone with any ability in this line will come out and try. Candidates will meet in the Show office, Room B, the Union at 4 o'clock today.

Clarence J. Brown 1909, advertising manager of last year's production, has consented to meet the men and give them an idea of what is wanted and to assist the management in judging the competition. If anyone is unable to attend the meeting this afternoon he should see or address the advertising manager. Dudley Clapp 1910.

Competition for the management is still open and the advertising department is much in need of men, particularly freshmen. Men who wish to try for this department should meet in the Show office, Wednesday or Friday of this week, at 4 o'clock, or communicate with the advertising manager.

NOYES PUBLISHES TALK ON TEACHING

Principles of Instruction Are Discussed in Pamphlet Just Issued

VALUE OF PROBLEMS

Practical Side of Work Emphasized Stress Laid on Conception of Main Principles

Dr. Noyes has put into print "A Talk on Teaching," given at the close of last year to the members of the instructing staff. In it he gives what should be the methods used to develop the best kind of a scientist or engineer.

Power and not knowledge should be the aim. The Institute must turn out men who can do things. That is, men that can not only execute, but originate methods for solving the day's problems. Knowledge is of secondary importance—it is only a means toward an end.

He says that it is a mistake to give the student more than he can assimilate. The proper understanding of the cardinal points should not be sacrificed for the mere accumulation of knowledge. To overcome this tendency, Dr. Noyes wishes that competent authors would write text books that contain only facts and principles that can be properly taught in the time allowed.

One of the greatest faults in present day education is the imperfect correlation of the different subjects of instruction. This would best be accomplished by having the instructors keep in touch with the other work outside of their one special line.

In regard to the development of manual skill, the acting president thinks that, although its acquisition is important, the time taken in securing it should be reduced.

Problem solving is particularly emphasized, since the methods involved are closely allied to those used in actual service. Therefore, the student should get the power to handle this work accurately and economically. In teaching this, the lecture system has its only excuse for existence in the fact that it is economical. He advises problem work, done at assigned hours, *under the guidance of the instructor.*

Since correct solutions are the tests the world goes by, they should be the test of the progress of the student. Dr. Noyes says that this test of the ability to handle problems connected with the subject rather than the amount of knowledge, often crammed, should replace and eliminate the nerve-racking final examinations now used.

UNION THANKSGIVING

The management of the Union is planning to provide a good time for students remaining in Boston over the Thanksgiving recess, by serving an old-fashioned Thanksgiving dinner, from 1 to 2 P. M., on Thanksgiving Day.

No pains are being spared on the part of the management to make the affair a success and all that is needed is the cooperation of the students. The dinner will be table d'hote, price 35 cents.

CALENDAR

WEDNESDAY, NOV. 25.

1:00 P. M.—1911 basketball men meet in 27 Rogers.

4:00 P. M.—Show Poster meeting at Show office, Room B, in Union.

THURSDAY, NOV. 26.

1:00 P. M. to 2:00 P. M.—Old-fashioned Thanksgiving Dinner at the Union.

FRIDAY, NOV. 27.

4:00 P. M.—Candidates for Assistant Advertising Manager of Show meet at Show office.

4:15 P. M.—Glee, Banjo, and Mandolin Club rehearsals.

6:15 P. M.—Bible Class meets at Union.

THE TECH

Published every Monday, Wednesday, and Friday during the college year by students of the Massachusetts Institute of Technology.

Entered as second-class matter October 6, 1904, at the post office at Boston, Mass., under the Act. of Congress of March 3, 1879.

Editorial Staff.

H. I. Pearl 1910 *Editor-in-Chief*
R. H. Ranger 1911 *Managing Editor*
W. D. Green 1909

Associate Editors

J. N. Stephenson 1909
G. C. Kenney 1911 L. G. Glazier 1911
W. H. Hildebrand 1911 H. M. Davis 1911

News Staff.

D. R. Stevens 1911 V. Guillou 1912
C. L. Tuller 1912

Business Staff.

G. B. Forristall 1911 *Business Manager*
M. W. Hopkins 1911 *Asst. Business Manager*
W. O. Whitney 1911 N. DeForest 1911

All communications regarding advertisements should be addressed to the Business Manager. Regarding subscriptions address the Asst. Business Manager.

Subscriptions within the Boston Postal District and outside of United States must be accompanied by postage.

Subscription - - - $1.50 per year in advance. Single Copies 3 Cents.

THE TECH sent to addresses in Greater Boston or abroad, 86 cents per volume, additional.

Printed by Old Colony Press, Boston.

Wednesday, November 25, 1908.

The Tech regrets to announce the resignation of Dudley Clapp 1910 from the board of associate editors.

The regular Friday issue of The Tech will be published this week on Saturday morning because of the fact that it is impossible to have the linotype and press work done on Thanksgiving Day.

The Tech has received a communication from "R. L. H." and requests that the writer give his name to the editor-in-chief, so that it can be printed at the end of his article.

Dr. Noyes' brief message in this issue will be read by all with a deep feeling of appreciation of the noble character behind it. His attitude of renunciation of personal benefits for the self-imposed standard of the qualifications for duty is worthy of close attention and admiration from every man who knows of it. Examples of men giving up long-cherished ambitions because they feel, not that they cannot do well, but that others can do better, are indeed rare. With pressure brought to bear on him from all sides to hold the position he was selected to fill temporarily, he insisted firmly that other men were better fitted for it than he, and that one better fitted could be found and induced to take it.

Professor Maclaurin has splendid opportunities indeed, but the existence and character of these opportunities are due to the faithful work of the men who have gone before him, with Dr. Noyes not the least among them.

It is satisfying to note in the comments of the press following the appointment of Dr. Maclaurin to the presidency of the Institute a universal approbation of the work which has been done by this worthy scientist and a firm confidence in his ability to do things in the future. Those of us who will come under the influence of the new leader will gain, it is believed, a true friend, and the Institute a thoughtful, energetic executive.

Under the head, "A New Educational Leader," the current number of The Outlook comments on the Institute's decision as follows. "With the choice of Professor Richard C. Maclaurin, LL. D., as its president, the Massachusetts Institute of Technology enters upon a new and important stage in its history. The recent discussions concerning the proposed association with Harvard have brought the alumni, corporation, and faculty into more profitable relation the social life of the student body, volved in the matter of a suitable site for the Institute, ways and means for adequate endowment and for the increased expense of improved methods of instruction, and the development of the social life of the student body, which await solution by the new President. During the three years in which the presidency has been vacant and the Institute has been under the administration of acting-President Noyes, the work of instruction has gone on steadily, and the extraordinary high reputation of this efficient technical school has been finely maintained. To this institution comes a man of exceptional ability and achievement. . . . . His election is full of promise to the Massachusetts Institute, and to the cause of education in this country."

"Power and not knowledge should be the aim of the Institute," says Dr. Noyes in his new book, "A talk on Teaching." He advocates doing away with examinations and replacing them by a systematic series of problem solving under the personal guidance of the instructors.

Dr. Noyes fully appreciates the difficulties of the student under the present system. The tendency to let matters go until the night before an examination and then to cram all the knowledge possible in a few hours' hard work is only too prevalent. The result is well-known; far from being assimilated into the system the knowledge is retained perhaps until the end of the examination and is then lost, as likely as not, forever.

With Dr. Noyes' plan in operation the student must study methods thoroughly in order to be able to work his problems in class. If he is unable to understand the methods he is bound to learn them under the personal instruction of his instructor. If this system were put into operation and carried out as Dr. Noyes suggests it would be safe to assume that a man would take more interest in his work, and that his power so acquired would be more likely to stay by him than a smattering of knowledge obtained in a few hours of furious cramming.

CROSS COUNTRY SCORE

Boston Papers Fail to Credit Tech With Proper Place

Considerable discussion has resulted from the statements in the Boston papers that the Tech team in the Intercollegiate cross-country run at Princeton finished in fifth place, when in reality they finished second to Cornell.

This misunderstanding is due wholly to an error in the system of scoring used by the newspaper reporters. It was understood that the score made by the Tech team was not to count in the official result of the race, because the team was not officially a member of the Association. When the reporters calculated the Tech score they neglected to put the other men in their proper places, and although the Tech runners were credited with the places that they had won, the other contestants were not moved down from their positions in the official list, to their actual positions in the order of finish.

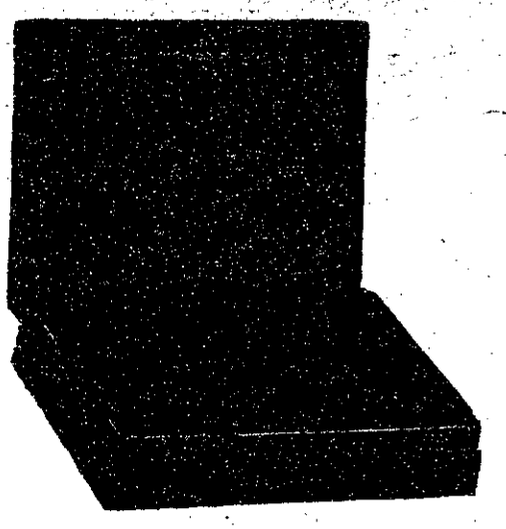
HARVARD WINS CHESS

Monday evening the Chess Team played its second match of the season at Gray's Hall, Cambridge, with Harvard. The score was undecided, Childs and Mylchreest playing to a draw, and the former wishing to have the game referred to Mr. Walker, of the Boston Chess Club. If his decision is in favor of Mylchreest the score will be 3-2, in favor of Harvard; it not, 3 1-2 - 1 1-2, in favor of Harvard.

Although virtually in the Metropolitan League the match was only a practice one, as Harvard has now withdrawn from the league. A regulation match with Harvard will soon be arranged, however.

The summary:—

M. I. T.			HARVARD.
Schmidt	0	1	Masius
Bates	0	1	Greeny
Mylchreest	undecided		Childs
Morrill	0	1	Mitchell
Kaufman	1	0	Mason



4 OZ. TIN 25 CTS. 8 OZ. TIN 45 CTS. 16 OZ. TIN 90 CTS.

It will Not Bite the Tongue

COBB, BATES & YERXA CO.

55 SUMMER STREET

MISS M. F. FISK
THE
RED GLOVE SHOP

322 BOYLSTON STREET
Opposite Arlington St.

Has a full assortment of Men's Gloves for Street and Dress occasions from $1.50 upwards. They are in Dent's, Fownes and Perrine makes.

HIGGINS'

Drawing-Inks
Eternal Writing-Ink
Engrossing-Ink
Taurine Mucilage
Photo-Mounter
Drawing-Board Paste
Liquid Paste
Office Paste
Vegetable Glue, Etc.

Are the Finest and Best Inks and Adhesives. Emancipate yourself from the use of corrosive and ill-smelling inks and adhesives and adopt the *Higgins Inks and Adhesives.* They will be a revelation to you, they are so sweet, clean, and well put up.

At Dealers Generally.

CHAS. M. HIGGINS & CO., Mfgrs.
Branches: Chicago, London
271 Ninth Street, Brooklyn, N.Y

GLOVES

may be right and not be Fownes, but they can't be

FOWNES

and not be right.

MORSE & HENDERSON
Tailors

18 BOYLSTON STREET
Rooms 14-15
Telephone Oxford 99 BOSTON

SPECIAL DISCOUNT TO TECH MEN

"THE GIRLS ARE FOND OF THESE"

Tech Emblems

Greatest Variety
Lowest Prices

BENT & BUSH
15 SCHOOL ST. BOSTON, MASS.

GEO. H. ELLIS CO
Printers

No. 272 CONGRESS STREET
BOSTON, MASS.

Phone, 1540

A College Retreat

Mathematicians, Scientists, Researchers, Chemists, Architects, Free Hand Artists, Mining, Civil, Mechanical, Electrical Engineers, Bachteriologists, etc., etc.

GENTLEMEN LOOK OUT FOR YOUR HEALTH.

You need a safety valve, or a brain storm; a brain explosion is liable to occur at any time. You will find the needed relaxation, and relief at the

HOTEL EPICURE

In the vineyard, the genuine Bohemian Cafe with orchestra, grand opera and popular song soloists, with a stein of good beer, or a cold bottle and a square meal, where you will forget all about science and enjoy yourself for a while on earth, as a human being.

HOTEL EPICURE, the only typical French Hotel in Boston

27-33 HAYWARD PLACE

The Little Corner HENRI E. GENOUD, *Manager*

Thos. F. Galvin

Florist

124 Tremont Street
Boylston and Fairfield Streets

STONE & WEBSTER MANAGEMENT ASSOCIATION

GENERAL MANAGERS OF PUBLIC SERVICE CORPORATIONS

HENRY G. BRADLEE ..... *President*
FREDERICK S. PRATT ..... *Vice-President*
GUY E. TRIPP ..... *Vice-President*
CHARLES F. WALLACE ..... *Vice-President*
HENRY B. SAWYER ..... *Treasurer*

147 MILK STREET - - BOSTON, MASSACHUSETTS

McMORROW

College Shoes for College Men

238 Washington Street, Boston, Mass.

OPPOSITE YOUNG'S HOTEL

BARNEY & BERRY SKATES

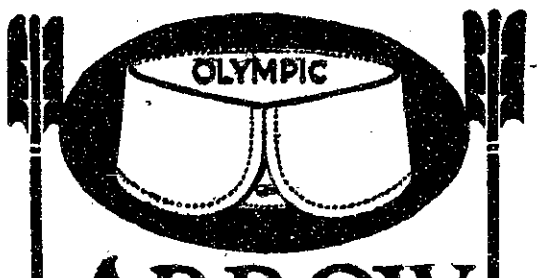
No sport like skating. Look up your skates and be ready for the first ice. Learn to do fancy stunts. If interested in Hockey use our Safety Edge or Canadian patterns. Best tempered Ice Skates in the world. Your dealer will supply your demand.

Send for our FREE CATALOGUE

BARNEY & BERRY

214 Broad St., Springfield, Mass.

A. Stowell & Co.
Watchmakers
Jewellers
and
Importers
of
Novelties



ARROW

CLUPECO SHRUNK QUARTER SIZE

COLLARS

They neither shrink, scratch, saw nor stretch

15 Cents—2 for 25 Cents

Cluett, Peabody & Co., Troy, N. Y.

GENTLEMEN

WHO DRESS FOR STYLE NEATNESS, AND COMFORT WEAR THE IMPROVED

BOSTON GARTER

THE RECOGNIZED STANDARD

The Name is stamped on every loop—

The Velvet Grip CUSHION BUTTON CLASP

LIES FLAT TO THE LEG—NEVER SLIPS, TEARS NOR UNFASTENS

Sample pair, Silk 50c., Cotton 25c. Mailed on receipt of price.

GEO. FROST CO., Makers Boston, Mass., U.S.A.

ALWAYS EASY

SEDGWICK RETURNS

From Pittsburg—Winslow Heads Bowditch Club

Professor Sedgwick has just returned from a short absence in Pittsburg, to which city he went last week to attend a meeting of the typhoid fever commission appointed by the mayor of Pittsburg and supported by the trustees of the Sage Foundation. This commission, of which Professor Sedgwick is a member, is making an investigation of the causes and prevention of typhoid fever in that city. Mr. Morris Knowles, 1891, is consulting engineer to the commission and chief of the bureau of filtration, having in charge the new slow sand filter recently constructed upon the Alleghany River for the city of Pittsburg. Since October 3, the peninsular part of the Greater Pittsburg has been receiving only filtered water.

Mr. George Bunker, a former student of the Biological Department, and Scott McNutt 1908, are employed by the commission making special biological studies upon the watersheds of the Pittsburg water supply, upon the milk supply and various other sanitary problems undertaken by the commission.

Professor C. E. A. Winslow of the Biological Department was recently chosen president of the Bowditch Club, a scientific society named after the distinguished professor of physiology in the Harvard Medical School, Dr. Henry Pickering Bowditch, now retired, and is composed of some of the younger professors and instructors in the Medical School and the Biological Department of the Institute. The same position was held on a former occasion by Dr. F. A. Woods, a former student of the Institute and now lecturer on theoretical biology in Course VII.

Professor Sedgwick has just been informed of the death in Pittsburg on Nov. 10, of Mr. Claude P. Nibecker 1903. Mr. Nibecker was one of the ablest graduates of the course in sanitary engineering and distinguished himself immediately after the graduation by his excellent work upon the purification of the water of the Ludlow Reservoir in Springfield, Mass. He was afterward in charge of the mechanical filters connected with the water purification plant at Birmingham, Ala., being then and at the time of his death, one of the principal sanitary engineers of the American Water Works and Guarantee Company, having its headquarters in Pittsburg. That Mr. Nibecker's death was very sudden and unexpected may be realized from the fact that Professor Sedgwick had expected to have an interview with him as lately as last Saturday.

INDOOR TRACK WORK

Short Runs From Gym Inaugurate Season

Preliminary practice for the indoor track team began Monday night with a short run from the Gym. Only a few men were out and the majority of these were veterans from last year's squad. The work of training will be in the open as long as the weather permits.

Captain Carl Gram, of the track team, took the first squad of men on a short run down Garrison street to Huntington avenue, to Cumberland street, and back down to St. Botolph street to the Gym.

The prospects for an indoor track team this year are excellent and with the exception of Blackburn and Gimson, all last year's men are back, with some promising material in the freshman squad, the track team should be one of the best that has ever represented the Institute.

Every Monday and Friday afternoon, at 5:15, a squad will leave the Gym, under the management of some member of the track team, for a short run of about a mile or a half-mile, and the pace will be such that any man may keep up with the squad without much exertion. These short runs will give men who have not been training this season a chance to get into form for the winter.

FRESHMAN BASKETBALL

Kendrick Temporary Captain—Cherry Manager

At a meeting of candidates for the freshman basketball team held Monday, Alfred F. Kenrick of Brookline was elected temporary captain and M. C. Cherry of Roslindale temporary manager. A letter from Maj. Briggs, chairman of the Advisory Council, was read. The matter of awarding class numerals to a winning basketball team is to be placed before the Council at its next meeting early in December.

Plans for a series of three games with the sophomores were discussed as well as arranging games with freshmen teams from other colleges.

Twenty-four men have given in their names as candidates for the team. The main difficulty will be in procuring the use of the gymnasium for practice, as the gym classes and varsity team are using it nearly all the available hours.

LONGBOAT DEFERS RUN

Tom Longboat, the Indian marathon runner, has refused to run Coach Kanaly on Thanksgiving Day. Kanaly challenged Lonboat to run any distance from a half-mile to ten miles at the Fall River baseball grounds on Thanksgiving morning.

Longboat's manager says that the Indian would prefer to run Kanaly at some later date and at Toronto. Kanaly has answered this proposal and is now awaiting reply from the Indian's headquarters.

HOTEL BRUNSWICK

BOSTON

EUROPEAN AND AMERICAN PLANS

HERBERT H. BARNES, Proprietor

OTIS ELEVATOR COMPANY

53 State Street, BOSTON

Electric and Hydraulic Elevators

ESCALATORS (Moving Stairways)

VISIT

THE NEW STORE

222 CLARENDON ST.

BUILT ESPECIALLY FOR YOU

Drafting Instruments, Papers, Tracing Cloth, Triangles, T Squares, Slide Rules, Pencils, Etc., Paints, Varnishes, Hardware

AT LOWEST PRICES

ALSO AT

82 and 84 Washington Street

CATALOGUES FREE

Wadsworth, Howland & Co.

INCORPORATED

Swell Button Boots

KNICKERBOCKER

$5.00

Fine Patent Colt
Tight Soles, Close Edges

E. W. BURT & CO., 40 West St.

The Technology Review

A QUARTERLY MAGAZINE DEVOTED TO THE INTERESTS OF THE MASSACHUSETTS INSTITUTE OF TECHNOLOGY AND PUBLISHED BY THE ASSOCIATION OF CLASS SECRETARIES

83 NEWBURY STREET, BOSTON

The Review aims to develop closer relations among Institute men and to stimulate their interest in the work of the College. It is in no sense an engineering magazine, but deals broadly with the problems of Technological Education and the responsibilities of the professional man.

THE REVIEW is published during January, April, July, and October. Communications should be addressed to The TECHNOLOGY REVIEW, 83 Newbury St., Boston.

SUBSCRIPTION, ONE DOLLAR A YEAR
SINGLE COPIES, THIRTY-FIVE CENTS

Volumes I., III., IV., V., VI., VII., VIII., and IX., finely bound in half morocco, are ready for delivery at $2.25 each, or will be exchanged for unbound sets, provided they are in good condition, at $1.25 each. (If sent by mail, 30 cents extra.)

SPECIAL DISCOUNT TO TECH STUDENTS UNTIL DECEMBER 15

Our $45.00 Suits for $35.00
Our $45.00 Overcoats for $35.00

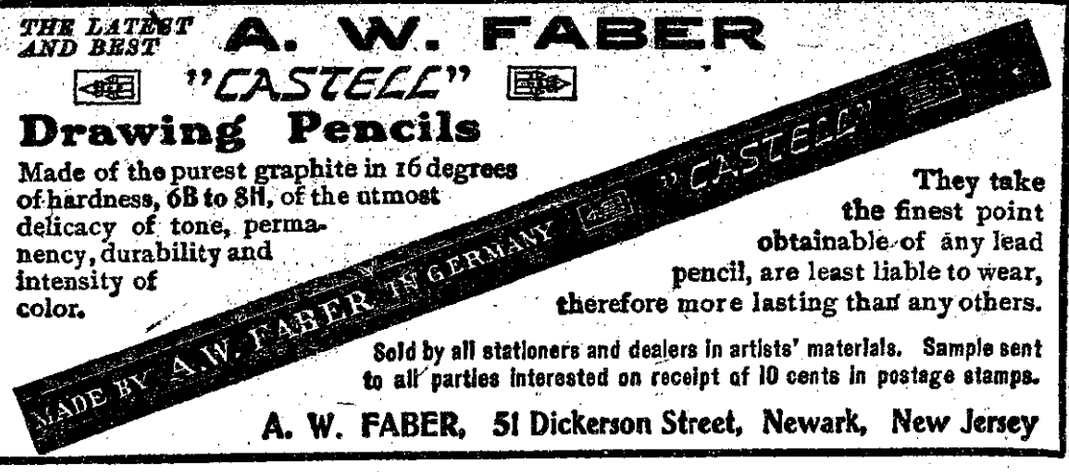
A. H. MATZ & CO.

THE TECH TAILORS 32 Huntington Ave.

THE LATEST AND BEST **A. W. FABER** "CASTELL"

Drawing Pencils

Made of the purest graphite in 16 degrees of hardness, 6B to 8H, of the utmost delicacy of tone, permanency, durability and intensity of color.



They take the finest point obtainable of any lead pencil, are least liable to wear, therefore more lasting than any others.

Sold by all stationers and dealers in artists' materials. Sample sent to all parties interested on receipt of 10 cents in postage stamps.

A. W. FABER, 51 Dickerson Street, Newark, New Jersey

Tech Drug Store

Special Prices on Chemicals Reagents and Acids
Tech Cologne 50c.
Tech Note paper 25c. pkg.
Tech Cigarettes
M. I. T. on each Cigarette
$1.25 per 100
Tech Cigars and all the popular brands

T. METCALF CO.
COPLEY SQUARE
39 TREMONT STREET

MAKER TO WEARER
THE SPHINX
$2.00 HAT
412 WASHINGTON ST. BOSTON
FALL STYLES

"THE LITTLE PLACE 'ROUND THE CORNER"
COPLEY LUNCH
QUICK SERVICE

M. J. HANNIGAN
formerly of Hotel Lenox has [illegible] office team
The Tech Barber Shop [illegible] Westminster. Special atten[illegible] paid to students.

ROWAN & CURRY
"The Tech Barbers"
FORMERLY IN THE WESTMINSTER HOTEL
Now opened in the new Chauncey Hall Building on Boylston St. opp. Copley Sq.

T. J. SOUTHWELL
Stationer and Newsdealer
Circulating Library Laundry Agency
Ladies' and Gentlemen's Furnishings
66 HUNTINGTON AVENUE, BOSTON
Near cor. of Irvington Street

All Goods Required by Students at

Maclachlan's
502 Boylston St.

Drawing Instruments and Materials, etc.
Fountain Pens, Text-books

THE STUDENT'S DRUG STORE
UNDER COPLEY SQUARE HOTEL
We make a special effort to merit the patronage of our student friends . . . . . .
Don't forget the address, under Copley Sq. Hotel

Please mention The Tech when patronizing our advertisers.

MEN'S HATS
FUR COATS

Hat and outer coat "make the man" as the public sees him in Winter. Then there's comfort. Two good reasons you should buy here. If you're a "Tech" man here's another.

10 PER CENT OFF TO TECHNOLOGY STUDENTS

A. N. COOK & CO., 161 Tremont St., Boston, U. S. A.

DR. NOYES HONORED

Elected to Committee of National Academy of Sciences

At the meeting of the National Academy of Sciences, held at Baltimore last week, Acting-Pres. Arthur A. Noyes was made a member of an important committee, appointed by the Academy, in accordance with an Act passed by the last Congress, to "take into consideration the methods and expenses of conducting all surveys of a scientific character, and all chemical, testing, and experimental laboratories, and to report to Congress as soon thereafter as may be practicable a plan for consilodating such surveys, chemical, testing, and experimental laboratories so as to effectually prevent duplication of work and reduce expenditures without detriment to the public service." The other members of the Committee are President R. S. Woodward of the Carnegie Institution of Washington, chairman; President C. R. van Hise, of Wisconsin University; Professor E. L. Nichols, of Cornell University; and Professor W. W. Campbell, director of the Lick Observatory.

FACULTY NOTICES

4TH YEAR; HYDRAULICS, COURSE A.—Sect. 1, 4, and 5—Monday and Friday at 9 in 53 Eng. A. Sect. 2 and 3—Wednesday at 12, and Saturday at 11 in 54 Eng. A. First exercise Friday, November 27.

HYDRAULICS; COURSES X AND XIII—Will take place in Room 53 Eng. A, on Tuesdays at 10, and Fridays at 4, beginning Friday, November 27. Students are requested to obtain Russell's Notes at Maclachan's.

THIRD YEAR; PHYSICAL LABORATORY—Students in Course II, III, X and XIII, who have not already done so, should register in the Physical Laboratory, Room 16, at once. Exercises for Courses II, X and XIII, will begin as per tabular view on and after Wednesday, November 25.

COURSE X—Procure Physical Laboratory Experiments, Part 1, Elements of the Precision of Measurements, Laboratory Note Book and Paper. Prepare for first exercise, pp. 6-25, of Precision of Measurements.

H. M. Goodwin.

NOTICES

CROSS-COUNTRY—The handicap cross-country race scheduled for Saturday, Nov. 28, is postponed to Saturday, Dec. 5, due to the fact that a number of the men running in the New England cross-country championship race at North Cambridge, on Thanksgiving day. Instead of the race this week there will be a practice run starting from the Field at 3 o'clock Saturday.

1911—A meeting of the basketball candidates will be held today at 1 o'clock, in 27 Rogers.

FENCING—Candidates for assistant manager of the fencing team leave their names for Manager Chapin at the cage on or before Monday, Nov. 30.

SMOKE TALK—Owing to the proximity to Thanksgiving Day the Friday evening Smoke Talk at the Union will be omitted this week. On Friday, Dec. 4, the Musical Clubs will render an entainment.

PHI KAPPA PSI—There will be a dinner for the members of the Phi Kappa Psi Fraternity at the Union on Saturday, Nov. 28, at 6 P. M. All Phi Psis at the Institute are requested to leave note at cage for H. McCready, before Friday night.

CLASSIFIED ADS

Advertisements under this head are inserted at the rate of five cents a line of six words, payable in advance, and copy should be handed to the business manager the morning before publication day.

LOST—Standard French Authors. Please leave at cage for Humphreville.

LOST—Notes in Index Fossils. From corner Exeter and Newbury to Union. Leave at cage for T. A. Roper.

LOST—Gold watch initialed P. D. W., in 31 Eng A; 10-11 Wednesday. Please return to P. D. W., the cage.

LOST—Pad coordinate paper with valuable plots. Reward for return to R. A. Smead, Cage.

LOST—Part of watch fob consisting of "Tech" seal, attached by a black silk ribbon, Thursday, Nov. 19. Will the finder please leave it to the cage and oblige, C. F. Piper 1910.

HALL & HANCOCK CO.
Hats and Furs
THE STANDARD OF STYLE AND EXCELLENCE
420 WASHINGTON ST.

ART COMPETITION

All Juniors
wishing to
try for the position
of Assistant Art Editor of
TECHNIQUE
1910
must leave drawings
addressed to
Art Editor of Technique
at cage
before 1.15 P.M.
Tuesday
December 1.

HERRICK TICKETS ALL THEATRES
COPLEY SQUARE
Telephones 2329, 2330 and 2331 Back Bay

College Clothes

Many new and exclusive styles for young men, hand tailored by the best craftsmen.

A. SHUMAN & CO.
BOSTON

SMULLEN & CO.
51 SUMMER ST.
Tailors
SPECIAL INDUCEMENTS TO TECH STUDENTS